# The Builder.

Vol. II.—No. 52. | FEBRUARY 3, 1844. | Price 3d. Stamped 4d.


## LIST OF ILLUSTRATIONS.


Diagrams shewing the Theory and Construction of Bridges ..... 49
Priorial Church of the Holy Cross, Brecon—Perspective View and Ground-plan..... 54
Design for an Infants' School—Elevations and Ground Plan ..... 55


## CONTENTS.


Meeting of the Master Carpenters' Society.. 49
Dr. Keenan's Lecture ..... 50
Mr. Godwin's Lecture on Architecture .... 50
Society of Antiquaries ..... 51
Institute of British Architects ..... 51
Ethnological Society..... 52
Projected Junction of the Red Sea and the Mediterranean ..... 53
Preston Institution for the Diffusion of Knowledge ..... 54
Priorial Church, Brecon ..... 54
Infants' School ..... 55
Literature ..... 56
Hospital of St. Cross, Winchester ..... 57
Statue of the Queen at Edinburgh..... 57
Railway Intelligence..... 58
Church Building Intelligence ..... 59
Patents relating to Architecture, Engineering, &c..... 59
Correspondence..... 59
MISCELLANEA ..... 60


## ADVERTISEMENTS.


TO BUILDERS, PAINTERS, DECORATORS, &c.,

WANTED, by a YOUNG MAN, 21 years of age, a SITUATION as HOUSE-PAINTER. The Advertiser is a good Grainer of Woods and Marbles, and willing to make himself generally useful. Apply by letter, post-paid, to W.M., at the Office of the Builder, 2, York-st., Covent-garden.

TO CONTRACTORS, BUILDERS, MASTER PAINTERS, DECORATORS, &c.

WANTED, a constant SITUATION by a First-Rate DECORATIVE PAINTER, GRAINER, WRITER, &c., who thoroughly understands Measuring and Book-keeping, also every department of House-painting, Paper-hanging, Glazing, Plumbing, &c., &c. For Particulars, apply by letter (pre-paid) to B.K., at the Office of this Paper.

TO BUILDERS, CARPENTERS, AND OTHERS.

A STRONG, ACTIVE YOUNG MAN, by trade a Joiner, who has been accustomed to the general routine of a Builder's office, and writes a superior hand, understands measuring, &c., is in want of a SITUATION as a CLERK, has no objection to fill up his time by working at the Bench, or make himself otherwise useful; can be well recommended by his late employer; wages 22s. per week. Address, prepaid, to A. B., 16, Little Charlotte-street, Upper Rathbone Place, Oxford Street.

TO BUILDERS AND CARPENTERS.

TO BE DISPOSED OF, an OLD-ESTABLISHED BUSINESS of a Carpenter, or Builder and Undertaker, in a Market Town about 14 miles from London, and half a mile of a railroad station. The Premises consist of a good Yard and all requisite Buildings. An EXCELLENT HOUSE of 7 rooms, and 2 bow-fronted shops in a commanding situation. In addition to the above Trades, a fair opportunity for the IRONMONGERY BUSINESS, and a good retail Timber-yard. For Terms and Particulars, apply to Mr. R. K. Davis, 68, Mark-lane.

TUFNELL PARK.

BUILDING GROUND.—This Estate, consisting of about 100 acres, and situate on the east side of Maiden Lane, about one-third of a mile north of the Camden Road Villas, on the road towards Highgate, possessing fine and commanding views of the surrounding country, has been laid out with Roads, Plantations, &c., and is to be LET on LEASE (in Plots as shewn on the Plans) for 99 years, for the Erection of single or double detached Villas of a superior class.

N.B.—From the Holloway Road, the Brecknock Arms, and Kentish Town, Omnibuses are constantly running to all parts of London.

For Terms and further Particulars, apply to Messrs. Allen and Holmes, 31, Bedford-row; at the Office of John Shaw, Esq., Architect, Christ's Hospital; or Messrs. Woolcott and Son, Builders, on the Estate, and at No. 54, Doughty-street.

SALES BY AUCTION.

Black and Gold, and Vein Marble CHIMNEY PIECES; Marble in Slab; and SCROLL WINGS to Table Tops.

MR. H. BIERS has been directed by the Assignees, to SELL by AUCTION, by permission of Mr. Sturman, at his Wharf, 18, City Road Basin, on Monday, February 12, at 12, about TWENTY MARBLE CHIMNEY PIECES, a small quantity of BLACK and GOLD, and VEIN MARBLE, in Slab, also 9½ pairs of SCROLL WINGS, for Washstand Table Tops. To be viewed on Saturday and Morning of Sale, when Catalogues may be had of Thomas Brace, Esq., Solicitor to the fiat, 25, Surrey-street, Strand; W. Whitmore, Esq., Official Assignee, 2, Basinghall-street; and of Mr. H. Biers, 12, Dorset-place, Dorset-square; and Poland-house, Poland-street, Oxford-street.

MARBLE CHIMNEY-PIECES, CONSOLE TABLE-TOPS, and TOPS and SPLASH SLIPS for WASH-HAND TABLES. In answer to numerous inquiries,

MR. H. BIERS has much pleasure in announcing that on Wednesday, February 27, 1844, at 12 o'clock, he will submit by AUCTION, at Mr. Webster's Carriage Repository, Market-street, Paddington, upwards of ONE HUNDRED and FIFTY CHIMNEY-PIECES, similar to those which it appears have given so much satisfaction to the parties who purchased at the last sale. Some choice specimens of very curious and beautiful MARBLES will also be exhibited in CONSOLE TABLE TOPS, and TOPS and SLIPS for WASH-HAND and TOILET TABLES. Catalogues, when ready, will be forwarded, post free, to any part of the kingdom.

Mr. Biers invites the TRADE especially to an inspection of the items in this sale.

The Marbles are quite new, and greatly admired in the London Market. The Scantlings and thickness much larger than usual. The Designs, chaste, Classical, and Architectural; great attention has been paid to the manufacture, and the finish is of a very superior character. Instructions from parties unable to attend the sale, if forwarded in writing, will be strictly observed, and at a trifling expense packed and sent to any distance. Approved bills at three months as usual where the purchase amounts to 30*l.* and upwards.

12, Dorset-place, Dorset-square.

St. Luke's, Old-street.—To Ironfounders, Engineers, and others requiring spacious, compact Premises, with immediate possession.

MESSRS. RUSHWORTH and JARVIS are directed by the Administrator of the late Mr. Richard Ballard to SELL by AUCTION, at Garraway's, on Friday, February 9, at 12, in One Lot, the LEASE for 10 years of a spacious FOUNDRY or MANUFACTORY, with modern RESIDENCE attached, situate 26, Great Mitchell-street, near St. Luke's Church, Old-street, with possession; also the adjoining Manufactory, now in hand, but hitherto let off at 35*l.* per annum; and Two Houses, with Shops, situate 24 and 25, Great Mitchell-street, adjoining, let at rents amounting to 55*l.* a year; the whole property is subject only to an annual rental of 70*l.*, payable to the Ironmongers' Company. May be viewed, and particulars had at Garraway's, of Messrs. Harrison, solicitors, 5, Walbrook; of Messrs. Bennett and Paul, Size-lane; and of Messrs. Rushworth and Jarvis, Saville-row, Regent-street, and 19, Change-alley, Cornhill.

Valuable works in Terra Cotta, comprising a selection of Statues, Vases, Fountains, and other choice specimens of Coade's celebrated Manufactory, Belvedere-road.

MESSRS. RUSHWORTH and JARVIS are directed by the Proprietors to SELL by AUCTION, on the premises, the first week in March, a second portion of classical and highly interesting works in Terra Cotta, limited to single specimens of many of the finest figures, vases, and fountains, manufactured at a great expense and with infinite care, for the purpose of producing examples of the moulds. Now for sale, every finished production of this far-famed manufactory having been disposed of at the former auction.

The stock of moulds referred to, and the plant, utensil, and other effects will be on view with the terra cottas several days antecedent to the Sale, when Catalogues may be had at Saville-row, Regent-street, and 19, Change-alley, Cornhill.

Coade's Terra Cotta Works.—The valuable and important Stock of Moulds, and the whole of the Plant, Utensils, and Fittings of the Manufactory, Galleries, Counting-House, and Premises, Belvedere-road, near Westminster-bridge.

MESSRS. RUSHWORTH and JARVIS beg to announce to Builders and the trade generally that they are directed by the Proprietors peremptorily to bring to SALE by AUCTION, on the premises, the first week in March, the truly valuable STOCK of MOULDS, including that portion from which were produced the celebrated statues, groups, busts, vases, and architectural ornaments disposed of at a former sale, and which now decorate the mansions and grounds of some of the first noblemen and gentlemen in the country; also, the plant and utensils, which are in good condition. The descriptive Catalogues will include a choice selection in Terra Cotta (vide separate advertisement), and due notice will be given of the days of view. Saville-row, Regent-street, and 19, Change-alley, January, 1844.

SALES BY AUCTION.

Investments in the City of London—Leasehold for 78 years; comprising Three spacious newly-erected Dwelling-houses and Shops, extensive Stabling, and Manufacturing Premises, Milton-street, near Fore-street, being a portion of the estate of the late Mr. Richard Ballard.

MESSRS. RUSHWORTH and JARVIS are directed by the Administrator to SELL by AUCTION, at Garraway's, on Friday, February 9, at 12, in One Lot, the above LEASEHOLD PROPERTY, all in capital repair, comprising the spacious workshop, dwelling-house, and yard, late in the occupation of the deceased, and now let to Mr. Phillips at 80*l.* a year, 13 distinct sets of stables; also three capital dwelling-houses, with shops, lately erected, and forming the frontage to the property, being 19, 20, and 21, Milton-street, the whole being held for 78 years, at an annual rent of 120*l.*, which is more than covered by the rent receivable for the stabling only, leaving an estimated surplus income of about 220*l.* a year. May be viewed, and particulars had at Garraway's; of Messrs. Harrison, solicitors, 5, Walbrook; Messrs. Bennett and Paul, Size-lane; and of Messrs. Rushworth and Jarvis, Saville-row, Regent-street, and 19, Change-alley, Cornhill.

PUBLICATIONS.

Just published, for 1844, price 4s. Thirty-fourth Edition of

SKYRING'S BUILDERS' PRICES.—This edition has been corrected agreeably to the latest reduction of duty on timber, and the present market price of building materials; contains the requisite information for, and is submitted with confidence to, all parties concerned in building. For testimonials of its well-digested prices, see page 640 of the New Encyclopædia of Architecture, lately published by the scientific author of Architectural Works, JOSEPH GWILT, Esq.

Sold by Sherwood and Co., Longman and Co., Simpkin and Co., London; and may be had of all booksellers.

M. TAYLOR,

(Nephew and Successor to the late Josiah Taylor,) having removed from High Holborn to

1, WELLINGTON STREET, STRAND,

Respectfully solicits the attention of the Public to his List of Publications upon the various Branches of ARCHITECTURE, CIVIL ENGINEERING, ORNAMENTAL COTTAGES, VILLAS, &c., &c.

New or improved Editions of the following works have been recently published,

TAYLOR'S ORIGINAL AND IMPROVED BUILDERS' PRICE BOOK, corrected by EDWARD CRESY, Esq., Architect, and adapted to the change of prices resulting from the New Tariff. Price 4s.

SELECT SPECIMENS OF GOTHIC ARCHITECTURE, comprising the finest and most approved examples in England, from the earliest to the latest date; forming a Chronology of that admired style: including Plans, Sections, Elevations, and Details, with a Historical and Descriptive Account of each Building and its Parts so illustrated. By William Caveller, Architect. With eighty quarto Plates. Price £3. 3s.

THE PRACTICE OF ISOMETRICAL PERSPECTIVE. By Joseph Jopling, Architect. With three Plates and 170 Figures. 8vo., price 5s., boards.

"It is preferable to the common perspective on many accounts. It is much simpler in its principles. * * * Incomparably more easy, and consequently more accurate in its application."—Professor Farish.

A TREATISE on the TEETH of WHEELS, demonstrating the best forms which can be given to them for the purposes of Machinery; such as Millwork and Clockwork, and the art of finding their numbers, by M. Camus. A new Edition, carefully revised and enlarged, with details of the present practice of Millwrights, Engine-makers, and other Mecha ists. By JOHN ISAAC HAWKINS, Civil Engineer. Illustrated by Eighteen Plates, 8vo. price 12s.

THE PRINCIPLES and PRACTICE of LEVELLING. By EDWARD JONES, Architect and Civil Engineer. A New Edition with numerous Illustrative Cuts and Figures. Price 4s. cloth.

An ATLAS of R. and W. HAWTHORN'S LOCOMOTIVE ENGINE, comprising Six Plates, in correct Outline, giving the Sections, Plans, Details, &c. Price 10s. 6d.

With Nineteen Plates, in 8vo., price 16s. 6d.

AN ACCOUNT of the MODE of DRAINING LAND, according to the system practised by Mr. Joseph Elkington. A New Edition, corrected and enlarged; drawn up for the consideration of the Board of Agriculture. By JOHN JOHNSTONE, Land Surveyor.

In Seven large 4to Parts, price 5s. each.

THE SMITH, FOUNDER, and ORNAMENTAL METAL-WORKER'S DIRECTOR; consisting of Designs and Patterns for Gates, Piers, Balcony-railing, Window-guards, Fan-lights, Verandas, Balustrades, Vases, &c. By L. N. COTTINGHAM, Architect.

CHUBB'S LOCKS, FIRE-PROOF SAFES, AND CASH-BOXES.

CHUBB'S NEW PATENT DETECTOR LOCKS give perfect security from false Keys and Picklocks, and also give immediate notice of any attempt to open them. They are made of every size, and for all purposes to which Locks are applied; and are strong, secure, simple, and durable.

Chubb's Patent Fireproof Strong Rooms, Safes, Chests, and Boxes, form a complete Security for Money, Deeds, Plate, Books, &c. from Fire and Thieves.

Cash Boxes, Despatch Boxes, and Japan Boxes of all dimensions, on sale, or made to order, all fitted with the Detector Locks.

C. Chubb and Son, 57, St. Paul's Churchyard, London.

COLLINGE'S PATENT HINGES.—Sole Manufactory, 64, Bridge-road, Lambeth, where a great variety are always on view, for church, park, coach-house, and all other doors and gates, of large or small dimensions, a gate of a ton in weight moving with these hinges as easily as a wicket; they are also admirably adapted for drawing-rooms, being highly ornamental, and folding doors fitted with them may be removed and replaced in an instant. Rising and spring hinges, with very superior fastenings, for exterior gates, at moderate prices. To be seen at Chas. Collinge and Co.'s patent axletree, sugar mill, and spherical hinge manufactory, 64, Bridge-road, Lambeth.

INCORRODIBLE IRON AND WIRE FENCES.—J. PORTER, Grove Iron Fence Works, Southwark, and 77, Cornhill, in addition to his usual strong iron fences, is prepared to supply all kinds of IRON FENCE, garden wire work, cast and wrought iron balcony, and every description of iron work connected with his business, GALVANIZED upon M. Sorel's well-established principle, by which means not only is their durability secured, but their disfigurement from rust prevented. Galvanized iron buildings, roofs, &c., fixed in any part of the kingdom, or prepared for shipment to the East or West Indies, &c. Hurdles, six feet long, five rails, 3s. 6d. each; other sizes in proportion. The trade supplied.

TO BUILDERS, CARPENTERS, &c. WM. YOUNG, & Co., 194, Oxford-street, have made a REDUCTION in IRONMONGERY, as follows:—

4d. Patent Clap 5½d. 1000; 6d. do. 7d.; 10d. do. 1s. 2½d.; 20d. do. 2s.; Cast Lath 20s. 9d. cwt.; 2 in. Rain Pipe 1s. 2½d. yard; 2½ do. 1s. 4d.; 3 in. do. 1s. 7d.; 3½ do. 1s. 11d.; Sash Line 6s. 6d. doz.; Sash Weights 6s. 6d. cwt.; 2 in. Cast Butts 1s. doz.; 2½ do. 1s. 3d.; 3 in. do. 2s.; 6 in. Rim Locks 14s. 6d. doz.; 6 in. Mortice do. 36s. Every other article of Ironmongery at the same rate of prices.

R. HENLY & Co., WHOLESALE IRONMONGERS, and MANUFACTURERS of KITCHEN-RANGES, STOVES, &c., 196, Blackfriars-road, and 117, Union-street, Borough.

Strong Self-acting Kitchen-Ranges, with back Boiler and Oven, and Wrought Bars:—

| 3 ft. | 3 ft. 3 in. | 3 ft. 6 in. | 3 ft. 9 in. | 4 ft. |
|---|---|---|---|---|
| 3*l.* 6s. | 3*l.* 13s. | 3*l.* 16s. | 4*l.* | 4*l.* 10s. |

Henly's Patent Improved, with back Boiler and Wrought Iron Oven:—

| 3 ft. | 3 ft. 3 in. | 3 ft. 6 in. | 3 ft. 9 in. | 4 ft. |
|---|---|---|---|---|
| 5*l.* | 5*l.* 15s. | 6*l.* 8s. | 6*l.* 10s. | 7*l.* |

Best Register Stoves, at 8d., 9d., and 10d. per inch.
Do. Elliptic do., at 3½d., and 4d. do.

All Goods are warranted and delivered free within 6 miles of London.

SAMUEL HALL's PATENT VENTILATING STOVE.—STEPHENSON and Co., 6:, GRACECHURCH-STREET, beg to call the attention of the public to their improved method of combining warmth with ventilation by the above stoves. The largest or smallest building or apartment may be effectually heated by pure atmospheric air with perfect safety from fire and great economy of fuel. The stove may be placed either in the room to be warmed or at any reasonable distance therefrom, and if in the basement of the premises warm air may be conveyed to any part desired. Full particulars, price, &c., may be obtained as above.

STOVE GRATES—KITCHEN RANGES, &c.—The proprietors of this extensive establishment offer for inspection the largest assortment of FURNISHING IRONMONGERY in the KINGDOM; consisting of kitchen cooking utensils, in copper, iron, and tin; best Sheffield plate, German silver wares, and cutlery, &c.; the whole of which are so arranged, that every article may be inspected, and the prices affixed to each, in plain figures. All articles are selected and manufactured of the best qualities, and vended at the lowest prices for READY MONEY ONLY—the object of the proprietors being to do the largest quantity of business at a very moderate profit. Families about to furnish will effect a considerable saving by purchasing at this depôt.

IMPORTANT TO BUILDERS.—In these SPLENDID SHOW-ROOMS will be found the BEST CHOICE in the KINGDOM of BRIGHT and BLACK STOVES, FENDERS, FIRE-IRONS, and KITCHEN FURNITURE, at prices much below the usual charges.

Those interested in alterations, improvements, and embellishments, will find here the LARGEST and BEST-SELECTED STOCK of the above wares in the Kingdom; Kitchen Ranges and Culinary Apparatus, with the latest practical improvements, as well as numerous ELEGANCIES for the TEA TABLE, in Tea and Coffee Urns, Papier Maché Trays, &c.

IMPROVED BATHS and every requisite for the BATH-ROOM. Here the numerous kinds are fully brought under view in the very large stock, where BATHS and REQUISITES form an attractive feature—SHOWER, PLUNGE, VAPOUR, NURSERY, &c., for WARM or COLD, FIXED or MOVEABLE, with important practical improvements.

ORNAMENTAL IRON and WIRE WORK for GARDENS, CONSERVATORIES, and LAWNS, in new and beautiful patterns of Trellis, Flower-stands, Baskets, and Arches for Training, Garden Chairs, Tables, and other appropriate objects, in fine cast-iron; Garden Engines and effective Apparatus for watering Green and Hot-house plants; Lawn and Park fencing to pattern, or from original designs.

The proprietors have, after much attention and many practical attempts, succeeded in manufacturing an Article the nearest APPROACH to SILVER PLATE ever offered to the public; and they are enabled, by the great demand, to render it at such prices as cannot fail to ensure its universal use, whilst the too frequent robberies of plate give to it a desideratum which cannot fail to reward the inventors for the labour and diligence exercised in effecting this desirable object.

PANKLIBANON IRON WORKS, adjoining the Bazaar, 88, BAKER-STREET, PORTMAN-SQUARE.

BUNNETT AND CORPE,
ENGINEERS,
26, LOMBARD STREET, LONDON,
AND AT THE WORKS, DEPTFORD.
Patentees and Sole Manufacturers of the
REVOLVING IRON SAFETY SHUTTERS,
AND OF
METALLIC SASH-BARS, MOULDINGS, ETC., IN BRASS, ZINC, OR COPPER,
FOR
SHOP FRONTS, WINDOWS, SKYLIGHTS, &c.
STALL-BOARD PLATES MADE AND ENGRAVED,
And all kinds of Metal Work executed to any Design.

Estimates given for Patent Iron Shutters, Metallic Shop Fronts, Sashes, &c., Glazed complete, with best Plate Glass, in any part of the kingdom.

METALS ROLLED OR DRAWN FOR THE TRADE.

ANDREW SMITH, ENGINEER, MILLWRIGHT, and MACHINIST, No. 69, Princes-street, Leicester-square, London—Patentee and Manufacturer of Improved Steam Engines, and Rapid Steam Generators, which possess the important advantages of economising heat, space, fuel, &c., and are particularly applicable to Marine, Stationary, and Locomotive purposes. Also Improved Railway Wheels, Rails, and Chairs; Improved Propellers for Canal and River Navigation. Manufacturer of High and Low Pressure Steam Engines, Bone, Sugar, and other Mill-work. Improved Rope-making, Flax-dressing, and other Machinery. Invisible Raising and Lowering Machines. Warehouse, Truck, and Wharf Cranes, and Purchase Crabs. Improved Metal Blocks; Guide Screws of any length and pitch, Square V and Round Top and Bottom Threads; Screw Presses; Punching and Shearing, Planing, Shaping, Boring, Drilling, and Screwing Machines of any dimensions to order, got up with dispatch.

Estimates forwarded by return of post for Machinery of every description.

Steam Engines and Machinery of every description Repaired in the best possible manner with expedition.

MOREWOOD'S PATENT GALVANIZED TINNED PLATES, HOOPING, WIRE-WORK, &c.—This material, possessing the strength and lightness of Tin or Iron Plates, combined with durability, is not liable to rust or corrode from exposure to wet and moisture, nor to be rent by expansion or contraction, caused by sudden changes of temperature, which objection applies to both Zinc and Lead, neither can it melt and run down as these metals do in case of fire; neither is it, like Zinc, liable to combustion; hence it is admirably adapted for Roofing, Gutters, Spouting, Chimney Tops, &c. in any climate, but more particularly where there is great variation in the temperature, and as such is a matter of importance and economy to all persons interested in our colonial possessions.

As regards the expense of this and other Metallic Coverings, it will be found that the same strength does not cost more than two-thirds that of Zinc, which is the cheapest Metallic Roofing, as regards first cost, at present in use; and that, in consequence of the continual repairs which are required to keep Lead or Zinc Roofing in order, this would be far cheaper than either, even if the first cost were much greater.

The material being strong, and at the same time exceedingly light, and the sheets being fastened together, tend to strengthen the building, instead of requiring any support themselves. It is therefore scarcely necessary to add, that the timber required is only of the very slightest description.

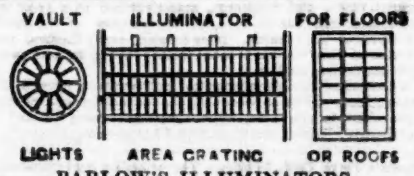
The Plates may be obtained of any size up to 6 feet by 2 feet 6 inches.

Specimens of the Galvanized Tinned Plates, corrugated and plain, and other articles, as Baths, Chimney Tops, &c. &c., may be seen and had of S. HOLLAND, 34, GRACECHURCH-STREET.

IMPORTANT to BUILDERS and others requiring large quantities of Water and other liquids raised.—WALKER and Co. invites all interested to inspect a Machine at work with a 3-inch tube capable of raising from 60 to 80 gallons per minute; also their improved patent mode of raising water from ships' holds, &c., and deep wells, without bucket or stuffing box, rendering them so simple that a labourer may repair them with facility. A variety of their patent air-proof portable and fixed water closets, adapted for every situation, and at prices to meet the command of every family. The preference given to them by the directors of large steam-boat companies after four years' trial, warrant them worth the attention of all desiring such comfort. Pan Closets, Basins, &c., wholesale and retail, at the Manufactory, Jewry-street, six doors from Aldgate.

DAMPS and NOISES in CHURCHES. The INDIA-RUBBER FLOORCLOTH or Matting, from its cheapness and durability, is strongly recommended to be applied as a preventive of the above, and in old Churches the escape of noxious effluvia from the vaults beneath. Every information may be obtained and orders received at the office, 42, Lombard-street, City. Price per square yard of nine feet, 3s.

STABLE PAVING on the improved principle, 11s. 3d. per square yard.




BARLOW'S ILLUMINATORS,
FOR ADMITTING DAYLIGHT with surprising effect in VAULTS, CELLARS, and UNDERGROUND APARTMENTS, ROOFS of BUILDINGS, &c., and all dark places where Light is required. Their extensive and increasing application, and the liberal manner in which they have been taken up by Architects, Surveyors, Builders, &c., has induced the Inventor still further to extend their use by the introduction of several new Patterns. Engravings and prices gratis. They may be seen in use on an extensive scale at the Croydon Railway-station, Tooley-street; the Vaults of the St. Katherine's Docks, &c., and also in the Foot Pavement (in place of the ordinary coal-hole plate) in innumerable places in all parts of London, as well as other considerable towns.

N.B. The Lenses are so fitted in the above, that they may be walked over without injury.

Sold by J. Barlow, Inventor and Manufacturer, 14, King William-street, Mansion-house.

PREPARED FLOORING BOARDS.

AT REDUCED PRICES.

ALWAYS ON SALE, a LARGE ASSORTMENT of DRY PREPARED FLOORING BOARDS and MATCHED BOARDING of all sorts, planed to a parallel width and thickness, from ¾ inch to 1¼ inch thick. Rough Boarding for Flats.

TIMBER DEALS, OAK PLANKS, SCANTLINGS, SASH SILLS, &c.

Apply at W. CLEAVE'S Timber Yard, Smith-street, Westminster.

PAYNE'S WOOD PATENT.—This Process for Preserving Vegetable Substances will render WOOD Thoroughly Anti-Dry-Rot.

" Uninflammable.
" Of the most inferior quality equal in point of Strength, Durability, and Usefulness, to the hardest and best descriptions.
" Unassailable by Insects.
" Sufficiently Seasoned for any Use in a comparative short time.
" Elastic when required.
" So granulated in its surface (and throughout the body) as to prevent Pavement, in a great measure, from being Slippery.

The Combinations are insoluble, and are mostly of such trifling cost, as scarcely to be appreciable as articles of expense where the work is considerable.

Hence, for Ship and House Building, Public Works, Piers, Sleepers for Railroads,—Engineers', Coopers', and Millwrights' Work,—Wood Pavements, Cabinet-work, Hop Poles, and wherever Wood is used, the Advantage of this Process must be apparent.

The Patentee is now ready to undertake orders for the preparation of timber under this process, and is authorized to state that his invention having been minutely investigated by Richard Phillips, Esq., the eminent Chymist, by order of the Hon. Commissioners for Woods and Forests, they have been pleased to adopt it in some of the works now in progress under their management. Particulars for the use of this Patent, whether by License or otherwise, to be obtained at the Office,—No. 2, Parliament-street.

Works,—Whitehall Wharf, Cannon-row.

HER MAJESTY'S DOCK-YARDS.

SIR W. BURNETT'S PATENT having undergone nine years' trial in ALL CLIMATES, is now in daily extensive operation in the above national establishments, as well as by many public companies and private individuals.

This PROCESS preserves TIMBER from DRY-ROT, and, when desired, renders it uninflammable.

It is cheap, innoxious, and easy of application.

It may be used in ordinary wooden tanks, and does not, therefore, require hydraulic machines, except for the sake of expedition.

It seasons the greenest wood in a very short time, and renders the commonest domestic Timber equal to the best foreign.

CANVAS, CORDAGE, COTTON, and WOOLLEN, are not only preserved from ROT, MILDEW, and the ATTACKS or MOTHS, but are unchanged in colour, and rendered even stronger than before.

Numerous specimens and testimonials may be seen, and every information upon its objects and application will be given at the Company's offices, No. 53, KING WILLIAM STREET, LONDON BRIDGE.

WINDOW BLINDS.
TO ARCHITECTS, BUILDERS, CONTRACTORS, AND OTHERS.
F. A. DE WILDE,
(Late Mills and De Wilde),
72, WELLS STREET, OXFORD STREET,
LONDON,

MANUFACTURER of the much-admired SPANISH BLIND. VENETIAN SHADES, adapted to either inside or outside, so much in general use. Blinds for Shop-fronts, Spring Roller Blinds, on the most improved Principle. PATENT ROLLER BLINDS, Mounted with the newly-improved Scotch Furniture.

PATENT WOVE WIRE BLINDS. DWARF VENETIAN BLINDS, &c.

Verandahs to any Design. Transparencies, and every description of Sun Blind, on the most improved principle, and of the very best workmanship and well-seasoned Materials.

F. A. De Wilde begs to observe he pays particular attention to the manufacture of Blinds for exportation; he also invites all parties to pay his Establishment a visit, where they may see every description of Blind in use.

Holland Blinds Cleaned, Calendered, and re-made. Venetian Blinds Painted, Taped, and Lined. Estimates furnished.

N.B.—Old Blinds renovated and made equal to new.

F. A. DE WILDE, Twenty Years with and Successor to Barron and Mills, 72, Wells-street, Oxford-street, Manufacturer of every description of BRASS ESPAGNIOLA BOLTS for French Casements, Brass Trellis-work, for Library Bookcases; Pew Rails, for Churches or Chapels; Brass Hand-rails for Staircases; Brass Cornice Poles, and Picture Rods of every diameter, kept ready, all lengths. Gas Fitting in every branch, and a very choice assortment of Mortise Furniture kept, in Brass Porcelain, plain or ornamental, Ebony, Maple, Oak, Yew, or Ivory. Old Work Cleaned and Laquered with despatch. Estimates given, and communications punctually attended to.

BASTENNE BITUMEN COMPANY, Offices, 31, Poultry. The Directors of this Company beg leave to call the attention of ARCHITECTS, BUILDERS, and others, to the very beneficial results attendant on the use of BITUMEN in the erection of buildings, &c. Its application as a FLOORING will be found eminently useful. It is also valuable for numerous other purposes, more particularly where the object sought for is the EXCLUSION OF DAMP AND VERMIN.

Scale of prices per foot square—
1 inch thick ..... 8d.
¾ inch thick ..... 7d.
½ inch thick ..... 6d.

Works not measuring 400 feet, 1d. per foot extra.

Roofing executed at 6d. and 7d. per foot square.

Concrete is charged in addition according to the thickness when required.

Carriage and men's time are charged extra when works are executed beyond three miles from the General Post-office.

Bitumen £6 per ton, without grit.
Bitumen £5 per ton, with grit.

CHARLES F. TILSTONE, Sec.

## ADVERTISEMENTS.

TO GENTLEMEN, ARCHITECTS, SURVEYORS, AND WHOM IT MAY CONCERN. DESIGNS submitted for NEW WORKS or ALTERATIONS, without charge if disapproved. Practical Drawings, Bills of Quantities and Estimates, Surveys and Valuations, Artificers' Works measured, and disputed Accounts adjusted at a trifling charge by a Gentleman of great experience. The highest reference given. Address, Architect and Surveyor, Care of Mr. Black, 87, Charlotte-street, Fitzroy-square.

STEPHENS' RULING AND MECHANICAL DRAWING INK, for Engineers, Artists, and Designers. This article will be found superior to the best Indian Ink for the above purposes. It does not smear with India-rubber, or wash off with water. It flows freely from the drawing-pen, and never corrodes or encrusts it. It may be used on a plate or slab, with a camel's hair brush, diluting it with water, or thickening it by drying, as required. It has the advantage of being ready for immediate use.

Sold in conical-shaped Bottles, convenient for using from without any Stand, by the Inventor, Henry Stephens, 54, Stamford-street, Blackfriars'-road, and by Booksellers and Stationers, at 6d. each.

Patronized by Her Majesty's Stationery Office.

H. MORRELL'S

REGISTRATION INK,

MANUFACTURED FOR

THE USE OF REGISTRARS OF BIRTHS, DEATHS, AND MARRIAGES,

And warranted made with Galls.

This Ink has received its present reputation from the results of Chemical Tests, made under Authority.

SOLD WHOLESALE AT THE MANUFACTORY,

149, FLEET STREET, LONDON:

And may be had Retail of all the principal Stationers and Booksellers in Town and Country.

*** Observe, each Bottle is sealed with the Maker's Name and Address.

PLUMBERS, PAINTERS, BUILDERS, and OTHERS supplied with CROWN and SHEET WINDOW GLASS, SHEET PLATE, &c. &c., for Pictures, Glazing, &c. &c., in any quantity, at Manufactory Prices.

| | |
|---|---|
| TURPS, per gallon .. .. .. .. | 2s. |
| LINSEED OIL, ditto .. .. .. | 2s. 9d. |
| SHEET LEAD, in sheet, per cwt. | 18s. 6d. to 28s. 6d. |
| WHITE LEAD ditto .. .. | 25s. |

Colours, Pipe, Brushes, &c. &c., equally low, and quality warranted. Complete Lists, priced, may be had on applying to R. COGAN, 5, Princes-street, Leicester-square, London.

PRINT PUBLISHERS, PICTURE FRAME AND CABINET MAKERS, can be provided with flatted Crown, flattened Sheet, and the patent Sheet Plate, Lists of which, shewing the price for any Square, from 14 by 12 to 40 by 30 of Best and Seconds quality, will be sent (gratis) upon receiving the address. Builders, Glaziers, and others having to Contract, sending a copy of their specifications, with a list of dimensions to R. COGAN, will receive by return of post the lowest prices for all qualities and sizes of Crown Sheet-Glass and Sheet-Plate, &c. Glazing estimated for if required.

NURSERYMEN, MARKET GARDENERS, AND OTHERS requiring Small Glass, will find a greater variety of sizes (a large Stock of which is constantly on hand) than is kept by any other House in London.

COMMON SHEET AND CYLINDER. The advantages of Common Sheet over Crown for Glazing Sky-lights is decidedly great, and is generally used where strength or superior appearance is required; a light 6 feet 6 in. long, with openings of any width, needs only one lap. This Glass is considerably stouter than Crown, and may be had from 1s. 3d. per foot.

Also may be had,

COGAN'S PATENT CHIMNEY FOR GAS OR OIL, Which effects a great saving in the consumption, produces a more brilliant light, prevents smoke, and is cheaper than any other Patent Chimney sold.

LAMP SHADES AND GAS GLASSES,

OF EVERY DESCRIPTION.

GAS CONTRACTORS, FITTERS, GLASS MERCHANTS and others supplied with Lists of nearly 100 Patterns, with prices affixed, sent to any part of the Kingdom gratis.

CLOCK MAKERS, ALABASTER FIGURE MAKERS, ARCHITECTS, MODELLERS, AND OTHERS, supplied with FRENCH ORNAMENT SHADES, for covering Models of Public Buildings, Geological Curiosities, &c. &c., of all sizes and shapes. List of Prices may be had on application.

French Table Flowers, China Vases, Fancy Glass Ware, and Alabaster Figures in every variety.

R. C. having just completed his Show Rooms for the above articles, begs to invite the inspection of the Public. A liberal Discount to Bazaar Keepers and others.

LECTURES DAILY.

ROYAL ADELAIDE GALLERY, LOWTHER ARCADE, STRAND.—On NATURAL PHILOSOPHY, by the Rev. D. Lang, A.M., at half-past Twelve o'clock. Gas Microscope at half-past One o'clock. On Chemistry, &c., by Mr. Maughan, at Two o'clock. Feeding time of the Electrical Eels, at Three o'clock. Galvanism illustrated by the Carbon Battery, at a quarter before Four, and at Eight o'clock every evening. Dr. Jones will deliver a Lecture on the Sciences as applied to the Comforts and Conveniences of Life, followed by DISSOLVING VIEWS, representing Portraits of Lord Nelson and Contemporary Heroes, with a Panoramic Representation of the Battle of Trafalgar. PROMENADE CONCERTS every evening. The LAUGHING GAS on Tuesday, Thursday, and Saturday evenings.—Admission, One Shilling.—N.B. Schools and Institutions attended on moderate Terms. Natural Philosophy, by the Rev. Dr. Lang, A.M., Chemistry, &c., Mr. Maughan.

JOHN'S & Co.'s PATENT STUCCO PAINT CEMENT and PATENT STUCCO PAINT.—The prospectus, containing a full account of these most valuable materials, and instructions to the workmen how to use them, accompanied also by testimonials from Architects, Engineers, and Builders, not only in London, but in every part of the kingdom, who have found out and know how to appreciate their extraordinary qualities, may be obtained free on application to the following Architectural Booksellers:—

Mr. John Weale, No. 59, High Holborn.
Mr. J. Taylor, No. 1, Wellington-street, Waterloo-bridge.
Mr. Ried, Charing-cross. Also,
At THE BUILDER Office, York-street, Covent Garden.
And of Messrs. Mann & Co., Sole Agents for the Patentees, Maiden-lane, Queen-street, Cheapside.

MARTIN'S CEMENT.

IMPORTANT TO ARCHITECTS AND BUILDERS.

AMONGST the variety of compositions offered to the notice of the Profession and the Trade generally, for internal Works, there are none to equal MARTIN'S IMPROVED PATENT FIRE-PROOF and ORNAMENTAL CEMENT. This superior article is allowed by eminent Builders and Architects to possess the desiderata of hardness and durability, is a preventative against fire, damp, and vermin, and does not emit SALT; when painted never PEELS, but shews a plain, clear, and perfect surface, not to be surpassed in beauty by any material now in use. It is suitable for Stucco on Walls, or Lath, Mouldings, Architraves, Skirtings, &c., not yielding to heat, quite imperishable, worked to the same advantage as Wood, and at a considerably less cost.

For Paving it is excellent, with an appearance of stone, and much less expensive; the quality being so superior, has induced the Government to adopt it in several of their Public Works.

Applications to STEVENS & SON, 186, DRURY-LANE, the Sole Manufacturers, who can with confidence recommend it to their extensive connection and the Public generally; their long experience with the manufacture of Plaster and Cements will be a guarantee to the Trade of the superiority "MARTIN'S CEMENT" possesses over all others.

VALENCIA SLATE.—THE ATTENTION of BUILDERS is requested to the new mode in which this material is prepared for the market. Prices, for the various thicknesses from half-inch to six inches, with each face and the edges accurately dressed by machinery, will be found extremely moderate, and may be obtained by application at Freeman's Wharf, Millbank-street, where a large Stock may be seen.

ENCAUSTIC TILES.

ENCAUSTIC or OLD ENGLISH PAVING TILES, for CHURCHES, HALLS, &c., sold by WYATT, PARKER, & Co., Albion Wharf, Holland-street, Surrey foot of Blackfriars-bridge.

These Tiles are copies of the best examples which have been discovered in the ancient religious edifices of this country, and more particularly from those at Great Malvern, Romsey, Canterbury, Westminster, Winchester, Salisbury, Worcester, Rochester, and York.

They are made from the famous red Staffordshire Clay, and are less porous than those anciently used, and may be had either entirely Glazed on the surface, or only partially so, or wholly free from glaze.

The partially Glazed Tiles, or those having the Ornament alone Glazed, possess a sparkling brilliancy of colour equal to the best enamelled Mosaic, but are not so well adapted to situations where they would be subject to rough usage, as the unglazed Tiles, which, after many years' wear, when washed with water, and a little sand and pumice, present the same beautiful, chaste, and fresh appearance, as when first laid down, and are also less expensive.

W. P. & Co., have also Tiles to work with the above, which are without ornament, and are used to form Borders, or to relieve elaborate masses of Encaustic Pavement.

These Tiles may be had of Black, Red, and Buff colours, and with those of a right-angled-triangle shape, an almost innumerable variety of designs may be formed. These latter Tiles are cheaper than good Portland Stone Pavement, are much less porous, and will bear a pressure of Forty Tons.

ORNAMENTAL WINDOW GLASS, 2s. per foot super.—CHARLES LONG having greatly improved his machinery for ornamenting glass, is enabled to offer handsome patterns at 2s. per foot super. glass included. 100 feet can be executed and delivered in two days. Address to Charles Long, House Decorator, &c., 1, King-street, Portman-square. For Cash only.

R. GREAVE'S STONE and MARBLE SAW MILLS, STRATFORD-ON-AVON, and No. 2, SOUTH WHARF, PADDINGTON, London. The best GALWAY BLACK MARBLE, in INCH SLAB from the Saw at 1s. 9d. per foot; and every description of ITALIAN MARBLE at equally low prices.

WARWICKSHIRE BLUE and WHITE LIAS STONE for flagging, for ornamental floors in halls, chancels, &c., and Blue Stone Slabs for hearths and kitchen floors, equal in appearance to marble, much more durable than Portland, Yorkshire, or other stones, and at lower prices. It is extensively used in the Midland Counties for CHURCHES and other public buildings.

N.B.—BLUE LIAS LIME AND CEMENT.

TIMBER AND DEAL SAWING AND PLANING MILLS.

THE GENERAL WOOD CUTTING COMPANY, Belvedere-road, Lambeth, near Waterloo Bridge.

Wharf and Premises situated on the River Side, in the midst of the extensive Timber Yards lying between Blackfriars and Westminster Bridges.

Machinery all of the best construction, including a powerful Steam Engine.

Baulk Timber of every description broken up for Builders' use, or into Boards, &c.

Battens, Deals, &c., cut and prepared for Flooring Boards with greater accuracy than can be done by hand; an immense economy of material, and ready to be laid down.

A Barge-load fetched from the Docks, or a Cart-load from any of the neighbouring Wharfs, and all delivered at the Owners' Premises (if within three miles) Free of Expense.

The Company have none but first-rate workmen in their employment, and will spare neither trouble nor expense in executing to the best interests of their customers whatever work may be committed to their charge. They aim at performing the best work in the shortest time, and they believe they have the materials for achieving both.

Prices as low as any in the trade.

BY ROYAL LETTERS PATENT.—Patronised by her Majesty's Office of Woods, &c.—IMPROVED LINING for WALLS of HOUSES, &c. The Patent Lining effectually protects every method of decoration either of paint or paper (and for which it is preeminently adapted) from damp in walls, and possesses many other substantial advantages; unalterable by moisture its durability is guaranteed. References to parties in whose houses the patent has been employed, and terms for materials or for fixing complete, obtained by letter or personally of the patentee, JOHN COLLARD DRAKE, at whose address extensive applications of the patent may be inspected, 19, Elm-tree-road, St. John's-wood.

R. E. CLARKE and SON, PAPER-STAINERS, 3, Chenies-street, Bedford-square, respectfully beg leave to state that they have now on hand a large quantity of PAPER-HANGINGS, which they can offer at a very great reduction of price.

Several Hundred Remnant Lots of from three pieces to five pieces will be sold at one-half the usual price.

SEYSSEL ASPHALTE COMPANY.

"CLARIDGE'S PATENT,"

ESTABLISHED 1838.

This ASPHALTE is a Bituminous Limestone, obtained from an inexhaustible Mine at Pyrimont, in the Jura Mountains.

Previously to its introduction into this country, in 1838, the Material had been used for many years in France, and from its great utility was extensively patronized by the Government of that Country.

Among the various uses to which it can be applied, the following may be enumerated:—For Foot-Pavements, public and other; in the Carriage Approach to Mansions, Garden-walks, and Terraces; the flooring of Kitchens and other basement offices; also of Coach Houses and Stables, Dog Kennels, Barn Floors, Cow Houses, Piggeries, Poultry Houses, Tun Rooms, and Maltings. For Roofing, Covering of Railroad and other Arches, the Lining of underground Cellars near Rivers to prevent the ingress of the Tides; also in Covering the ground-line of Walls, to prevent damp rising, (this application of the Asphalte of Seyssel is particularly recommended by the Commissioners on the Fine Arts,) thereby rendering the basement stories in the worst situations both dry and warm. It is an excellent Cement, as applied to Docks, Breakwaters, or Walls built for resistance to the encroachments of the Sea. For lining of Tanks, Fish-Ponds, and other Hydraulic purposes.

I. FARRELL, Secretary,
Seyssel Asphalte Company's Works,
"Claridge's Patent,"
Stangate Depôt, London.

TO MERCHANTS, SHIPPERS, AND COLONIAL AGENTS.—The DIRECTORS of the SEYSSEL ASPHALTE COMPANY are prepared to execute orders for the immediate Shipment of this Material, which for the convenience of transport is manufactured in blocks weighing each about 1 cwt. The blocks are of two kinds, the one (impervious to damps and vermin) for pavement and floors, generally, the other for covering of roofs, terraces, vaults, and arches, where it is desirable to keep wet from percolating or damp from rising, as a cement for brickwork, for lining of tanks, reservoirs, &c.

The material is perfectly free from smell, and unaffected by change of temperature. Unlike gas tar, bitumen, and other spurious compositions, it does not injure the general cargo of the vessel by the unpleasant effluvia arising from those compositions, nor does it become heated and adhere to the vessel or cargo.

Testimonials of its efficacy, full instructions for use, and samples of the material as it should appear when laid down are sent with each order to guide the workman in its application.

Country Architects and Builders continued to be appointed for the Sale and application of the Asphalte of Seyssel Mastic. Applications to be addressed to the Secretary as above.

DAY'S PATENT WINDGUARD, for Ventilating Churches, Hospitals, Factories, Theatres, Club-houses, Breweries, Malt-houses, Shops, Counting-houses, School-rooms, Smoking-rooms, Bed-rooms, Nurseries, Kitchens, Larders, Dairies, Stables, and all Buildings requiring Ventilation; as well as Ships, Mines, Tunnels, &c. &c.; also, for Preventing Down Draft; and is guaranteed to Cure all Smoky Chimneys caused by Wind; and entirely supersedes the use of Revolving Cowls, or anything moveable or unsightly on the tops of Chimneys or Ventilators.

The object of this Invention is to create a draft where otherwise it would not exist, by the spontaneous action of the external air.

The Windguard forms a pleasing octagonal pillar, and by its peculiar construction to carry out the principle, which consists of the wind giving a disposition for a vacuum within, which causes a continual upward current, and can be regulated at pleasure.

The Windguard applied to Ships and Steam Vessels in the form of a Skylight, prevents rain or the sea entering within, however boisterous the weather may be, thereby affording excellent Ventilation, as well as Light.

The Windguard applied to the Tops of Chimneys prevents all annoyance from Smoke, and agreeably Ventilates the room when fires are not required. This is a most simple and effectual way of Ventilating Bed-rooms, Nurseries, Smoking-rooms, Offices, &c.; causing the air of the apartment to be at all times as pleasant as can be desired, and may be regulated by a valve at pleasure.

The Windguard is simple in its application, reasonable in price, ornamental in appearance; no machinery or anything moveable in it, therefore, cannot get out of order; free from noise or any unpleasantness whatever; not liable to choke up with soot, and no obstacle to the machines used for sweeping chimneys.

The Windguard having been applied, with much success, to the chimneys of Windsor Castle, Buckingham Palace, and Claremont, also to several of the Club-houses, as well as to the mansions of many noblemen and gentlemen, it is with great confidence recommended for the cure of smoky chimneys generally, and may be had of all respectable ironmongers in Town and Country, and may be seen daily in operation at The Patent Ventilating Works, Commercial Road, Pimlico.

Where also may be seen Mr. G. T. Day's plans (illustrating the different applications of his Patent ARCHIMEDIAN VENTILATOR and his PORTABLE WATER APPARATUS) for effectually Ventilating, Warming, and Cooling the Air of Buildings, Ships, &c. &c. By the use of these inventions many thousand feet or any quantity of pure warm or cold air can be guaranteed to be continually exchanged per minute, day and night, winter and summer; thereby ensuring, at all times, free ventilation to the rooms and passages of buildings, &c., from the basement to the roof. The size of the apparatus depends on the nature and use of the buildings and its occupants.

## PUBLICATIONS.

This day is published, in one vol. 12mo., neatly bound in cloth, price 3s., and illustrated by 150 Diagrams, neatly engraved on wood,

THE ART of LAND SURVEYING, explained by short and easy rules, particularly adapted for the use of schools, and so arranged as to be also useful to farmers, stewards, and others. By JOHN QUESTED, Surveyor. Relfe and Fletcher, 17, Cornhill.

---

Just published, Part II., price 1s., of

PAYNE UNIVERSUM; or Pictorial World, with four highly-finished engravings from new plates.

"We predict a brilliant career for this beautiful and interesting work."—Sunday Times.

London: Brain and Payne, 12, Paternoster-row; and of all booksellers.

Three premiums will be given (gratis) with the first volume.—See Prospectus.

---

BLUNT'S CIVIL ENGINEER and PRACTICAL MACHINIST now on Sale, folio size, with Descriptions of the THAMES TUNNEL SHIELD, &c., &c. Complete sets of the work at 5*l.* each, or single divisions at one guinea; five whole divisions and two portions published at 6*l.* 13s. entire.

Kirton, 1, Great Portland-street, Oxford-street.

---

TO RAILWAY, COFFER DAM, AND OTHER CONTRACTORS DRIVING PILES.

CLARK'S IMPROVED PILE SHOE, registered according to 6 and 7 Vict., Cap. 65, is confidently recommended as presenting advantages not before attained. By the use of this invention, a pile can be driven with greater facility, will hold more firmly, and yet, if necessary, it can be easily withdrawn. A saving of one ton in every three in the weight of iron employed is also effected by the Improved Pile Shoe, thereby rendering it cheaper than the Pile Shoe hitherto used. Apply at Clark's Manufactory, 10, Temple-street, Whitefriars, where also Single and Double Action Cast and Wrought Iron Pumps are always on sale or hire.

---

BRICKS.—TO ARCHITECTS, BUILDERS, and others.

SUPERIOR WHITE FACING BRICKS (called Suffolk brick), and HARD CLINKERS, for PAVING STABLES, &c., may be had at 20 per cent. under the usual prices, at Wright's Brick and Tile Manufactory, Hanwell, Middlesex. Architects, Builders, or others requiring large quantities for Mansions, Public Works, &c., W. S. Wright, will contract to make them on the spot.

---

TO ARCHITECTS, BUILDERS, AND OTHERS.

T. STIRLING'S GENERAL SLATE and PATENT FILTER WORKS, removing from 37, Commercial Road, Lambeth, to Belvedere Wharf, Belvedere Road, Lambeth, near Waterloo Bridge. Slating from 20s. to 24s. per square. Cisterns, warranted to stand, 3s. per foot cube. Slates, to the trade and others, or for exportation, very low. Has on hand Westmoreland and Cornwall Slates, as well as Welsh, from all the best quarries. The Trade and others supplied with Slabs. Good 1 in. to 1¼ inch Paving from the Cornish Quarries, at 9d. per foot, super, laid complete.

---

MR. GRAYSON'S ARCHITECTURAL SCHOOL OF DESIGN established above Fifty Years.—CIVIL ENGINEERS, MILL-WRIGHTS, and others taught the principles of MACHINERY and PRACTICAL PERSPECTIVE. The selection of models and casts accompanying the diagrams which are introduced at this Academy will be found of great utility to the Student in elucidating the several Mechanical and Practical Sciences. Morning classes from 9 to 2; evening from 6 till 9, five nights in the week. For terms apply at 1, Banner-street, Finsbury-square; if by letter, post-paid.

---

BANKRUPTCY AND IMPRISONMENT AVOIDED.

MESSRS. DEW and CO., OFFICIAL ACCOUNTANTS, 3, Opera Arcade, Pall Mall, late of Trinity-place, from their great experience in the arrangement of differences between Debtor and Creditor both in town and country, offer their services to persons wishing to avoid the unpleasant and ruinous effects of imprisonment, with a certainty of the affairs being amicably arranged to the satisfaction of all parties. Apply between eleven and three: if by letter, prepaid. Money advanced on all kinds of securities.

---

WESTERN LIFE ASSURANCE SOCIETY,
OFFICE, 49, PARLIAMENT STREET, WESTMINSTER.

*Directors.*

| | |
|---|---|
| H. Edgeworth Bicknell, Esq. | James Hunt, Esq. |
| William Cabell, Esq., | J. Arscott Lethbridge, Esq. |
| T. Somers Cocks, Jun., Esq., | Edmund Lucas, Esq. |
| George Henry Drew, Esq. | George Kennet Pollock, Esq. |
| William Evans, Esq. | James Lys Seager, Esq. |
| William Freeman, Esq. | John Bazley White, Esq. |
| Francis Fuller, Esq. | Joseph Carter Wood, Esq. |
| Joseph H. Goodhart, Esq. | |

*Physician.*
William Richard Basham, M.D.

*Surgeons.*
Alfred Leggatt, Esq.; George D. Pollock, Esq.

*Bankers.*
Messrs. Cocks, Biddulph, and Co.

*Solicitors.*
Messrs. J. L. Bicknell and J. C. Lethbridge.

The attention of the unassured portion of the community cannot be too pointedly drawn to the unusual advantages offered to the Public by *this Society* over those of many others, as it enables all classes to effect life assurances in the manner most convenient to themselves, and amongst other of its popular features that of allowing the Assured (by Table 2) to leave HALF THE ANNUAL PREMIUMS unpaid for seven years, will not be found undeserving public attention.

Immediate and deferred ANNUITIES, and every description of Life Assurance business undertaken by this Society.

Prospectuses, and all other requisite information will be furnished on application to the Secretary, or the Country Agents of the Society.

EDWARD T. RICHARDSON, Secretary.

---

BRITANNIA LIFE ASSURANCE COMPANY, 1, Princes Street, Bank, London.

This institution is empowered by Special Act of Parliament (IV. Vict. cap. IX.), and is so constituted as to afford the benefits of Life Assurance in their fullest extent to Policy-Holders, and to present greater facilities and accommodation than are usually offered by other Companies. The decided superiority of its plan, and its claim to public preference and support, have been proved incontestably, by its extraordinary and unprecedented success.

ASSURANCES MAY EITHER BE EFFECTED BY PARTIES ON THEIR OWN LIVES, OR BY PARTIES INTERESTED THEREIN ON THE LIVES OF OTHERS.

The effect of an Assurance on a person's own life is to create at once a Property in Reversion, which can by no other means be realized. Take, for instance, the case of a person at the age of Thirty, who by the payment of 5*l.* 3s. 4*d.* to the Britannia Life Assurance Company, can become at once possessed of a bequeathable property, to the amount of 1000*l.*, subject only to the condition of his continuing the same payment quarterly during the remainder of his life,—a condition which may be fulfilled by the mere saving of EIGHT SHILLINGS weekly in his expenditure. Thus, by the exertion of a very slight degree of economy—such, indeed, as can scarcely be felt as an inconvenience, he may at once realize a capital of 1000*l.*, which he can bequeath or dispose of in any way he may think proper.

Detailed Prospectuses, and every requisite information as to the mode of effecting Assurances, may be obtained at the Office. PETER MORRISON, Resident Director.

A Board of Directors attend daily at Two o'clock for the despatch of business.

---

BUILDERS' AND CARPENTERS' IRONMONGERY WAREHOUSE,

FOR THE EXCLUSIVE SUPPLY OF PARTIES ENGAGED IN THE ABOVE TRADES.

THE Proprietor of this Establishment has, by his connections with the most extensive Manufactories, selected the largest and best-suited Stock of Builder's Ironmongery yet offered to notice. It includes every article in ironmongery suited to building purposes, such as locks, nails, screws, and every requisite for internal fittings, finishing, and decoration; also, rain water pipe, sash weights, and all kinds of castings, and combines (being entirely new) all modern improvements in principle and design.

The Prices throughout, even in the most minute article, have been the object of the strictest economical consideration, the profit of the undertaking being anticipated only by a large return. From this stock any article may be selected, exactly adapted for its intended use, of any required quality or quantity, at a moment's notice, and catalogues of prices had, per post, free, or on application at the premises, 18, Blandford-street, Manchester-square, London, leading from Baker-street, Portman-square, JOHN YOUNG, Jun., Proprietor.

---

IRON CASTINGS AND FORGINGS.

GAS AND WATER PIPES, SHOP PILLARS, IRON RAILINGS, GIRDERS, FIREBARS, &c.

THOMAS JOHN CROGGON, 8, Ingram-court, Fenchurch-street, and 77, Wapping-wall, London, SOLE AGENT to "HIVE IRON WORKS, SOUTH SHIELDS," is prepared to execute every description of the above, on the most advantageous terms.

T. J. C. has a Stock of DRY HAIR FELT. This Felt, as a Covering for Boilers, on account of its non-conducting properties, effects a Considerable Saving of Fuel. Size of Sheets, 2 ft. 10 in. by 1 ft. 8 in.

---

By Her Majesty's Royal Letters Patent.

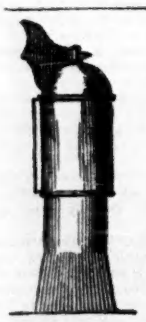
PATENT ASPHALTE ROOFING.

THE above material has been used and approved by the Nobility, Gentry, and Agriculturalists generally, as a Roofing and Covering to sides of Farm Buildings; its advantages are—Lightness, Durability, and Economy. Being a non-conductor, it has been proved an efficient "Protective Material" to Plants, and is now in use at the "Royal Horticultural Society's Gardens, Chiswick." It can be had of any length, 32 inches wide, at One Penny per superficial foot.

THOS. JOHN CROGGON, 8, Ingram-court, Fenchurch-street, London.

A Discount to the Trade.

---



RICHARDSON'S IMPROVED CHIMNEY COWL,

(REGISTERED PURSUANT TO ACT OF PARLIAMENT,)

May be had at most of the respectable Ironmongers in London and the Vicinity, and at his Manufactory,

62, EDGWARE ROAD, MARYLEBONE,

Where Prices and Particulars may be obtained on application.

THE IMPROVED COWL combines a perfect and ready action, with facility of sweeping and freedom from noise; and the working parts being wholly contained in the Dome Top, impervious to smoke or weather, it is not liable to become out of repair, and effectually prevents the annoyance experienced in gusty weather, or where the Chimney is subject to the eddies produced by a higher building.

A Working Model may be seen at the office of "The Builder."

---

IMPORTANT NOTICE TO INDEPENDENT UNDERTAKERS & THE PUBLIC.

IN consequence of the combination existing among the Funeral Furnishers not to employ the Patent Carriages, except when actually compelled by surviving friends,

THE CEMETERY AND GENERAL FUNERAL COMPANY,

UNITED WITH

SHILLIBEER'S

*Funeral Cortége.*

PATENT ECONOMIC

*Funeral Returning.*

FUNERAL CARRIAGES,

Respectfully announce to the Trade using these Cemetery Carriages, that they can be furnished with Coffins, Palls, Cloaks, &c. for Funerals 50 per cent. cheaper than any other Establishment.

CARRIAGE FUNERALS, combining solemnity with respectability, are conducted for 5*l.* 5s., or 8*l.* 8s., including every charge, viz., Coffin, Grave, Carriage, and fittings for six mourners. FOUR-HORSE FUNERALS, 12*l.* 12s.

Central Station, CITY-ROAD, adjoining Bunhill-fields' Burial-ground; Western Station, HIGH-STREET, opposite Marylebone Church; Southern Station, 136, UNION-STREET, Broadway, Southwark.

---

DISEASED AND HEALTHY LIVES ASSURED.

MEDICAL,
INVALID, AND GENERAL LIFE OFFICE,
23, PALL MALL, LONDON.

THIS Office is provided with very accurately constructed Tables, by which it can Assure Diseased Lives on Equitable Terms.

The Extra Premium discontinued on restoration of the Assured to permanent health.

Increased Annuities granted on unsound Lives, the amount varying with the particular disease.

Members of Consumptive Families assured at Equitable Rates.

Healthy Lives are assured at Lower Rates than at most other Offices.

Policies of twelve months' standing are not affected by Suicide, Duelling, &c.; and Assigned Policies are valid from the date of the Policy, should death ensue from any of these causes.

F. G. P. NEISON, Actuary.

---

VICTORIA LIFE ASSURANCE COMPANY, No. 18, KING WILLIAM-STREET, CITY.

DIRECTORS.

Sir James Duke, Alderman, M.P., Chairman.
Benjamin Hawes, Esq., Deputy Chairman.

| | |
|---|---|
| William Allen, Esq. | John Knill, Esq. |
| Benjamin Barnard, Esq. | Thomas Nesbitt, Esq. |
| Charles Baldwin, Esq. | John Nolloth, Esq. |
| Bryan Donkin, Esq., F.R.S. | Major-General Robertson |
| Aaron Goldsmid, Esq. | Daniel Sutton, Esq. |
| James Law Jones, Esq. | O. B. Bellingham Woolsey, Esq. |
| J. L. Kettle, Esq. | |

AUDITORS.—John Barnard, Esq.; William Hawes, Esq.; Edward Greenway, Esq.; Robert Pearson, Esq.

BANKERS.—Messrs. Barnard, Dimsdale, Barnard, and Co.

SOLICITOR.—John Curtis, Esq., 80, Basinghall-street.

PECULIAR ADVANTAGES ARE OFFERED BY THIS COMPANY. Thus—Parties assuring the lives of others may make their policies secure, notwithstanding the life assured may go out of the limits of Europe, without the necessary permission of the Directors having been previously obtained.

Credit of half the premiums for the first five years allowed on policies effected for the whole term of life.

Assurances may be effected with or without profits—on an ascending or descending scale, or for short periods.

Advances made to Assurers on real or undoubted personal security, for terms not exceeding three years, re-payable by instalments.

Attention is particularly requested to the detailed prospectuses of the Company, which may be obtained at the office, 18, King William-street, City, or by letter, addressed to the Secretary. WILLIAM RATRAY, Actuary and Secretary.

---

LONDON: Printed by CHARLES WYMAN, of 25, Cumming-street, in the Parish of St. James, Clerkenwell, in the County of Middlesex, at the Printing-Office of J. L. COX & SONS, 74 & 75, Great Queen-street, in the Parish of St. Giles-in-the-Fields, in the same County; and published by the said CHARLES WYMAN, at the Office of "THE BUILDER," No. 2, York-street, Covent-Garden, where Advertisements are received, and all Letters and Communications to the Editor are to be addressed.—Saturday, February 3rd, 1844.